

1913.

TYNE PORT SANITARY AUTHORITY.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

NEWCASTLE-UPON-TYNE:

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Tyne Port Sanitary Authority.

CONSTITUTED BY LOCAL GOVERNMENT BOARD'S ORDER, DATED 29TH MARCH, 1897.

Elected by the Corporation of Newcastle.

ALDERMAN WILLIAM EDWARD KIRBY.
ALDERMAN GEORGE CHRISTOPHER COATES (*Chairman*).
ALDERMAN DR. ADAM WILSON.
COUNCILLOR HENRY FORSTER.
COUNCILLOR WILLIAM BRAMBLE.
COUNCILLOR JOHN GRAHAM COLE.
COUNCILLOR FRANCIS ELLIOTT WEIGHTMAN.
COUNCILLOR WILLIAM ROBSON.

Elected by the Corporation of Gateshead.

ALDERMAN ALEXANDER GILLIES.
ALDERMAN WILLIAM CLOUGH (*Vice-Chairman*).
COUNCILLOR DR. ANDREW PAIGE ARNOLD.

Elected by the Corporation of South Shields.

ALDERMAN JOHN ROBERT LAWSON.
ALDERMAN DR. ERNEST HENRY GIBBON.
ALDERMAN GEORGE THOMAS GREY.

Elected by the Corporation of Tynemouth.

COUNCILLOR JOHN FRATER.
COUNCILLOR JOHN HEWITSON TEBB.

Elected by the Corporation of Jarrow.

ALDERMAN JAMES DUDFIELD ROSE.

Elected by the Corporation of Wallsend.

ALDERMAN JAMES GRAHAM McILVENNA.
COUNCILLOR JOHN SCORER.

Elected by the Felling Urban District Council.

COUNCILLOR PATRICK BENNETT.

Elected by the Hebburn Urban District Council.

COUNCILLOR BERNARD KELLY.

Elected by the Blaydon Urban District Council.

COUNCILLOR REVEREND ALFRED BARRETT TEBB.

Elected by the Newburn Urban District Council.

COUNCILLOR M. KIRTON.

Elected by the Whickham Urban District Council.

COUNCILLOR HUGH McSTAY.

Officers :

Medical Officer of Health	...	...	WM. EDMUND HARKER, M.D., B.S., D.Hy.
Clerk and Solicitor	...	...	R. SHERITON HOLMES.
Treasurer	...	...	THOMAS EDWARD HODGKIN.
Inspector of Nuisances	...	...	CHARLES IRVIN, Assoc. Royal Sanitary Institute.
Assistant Inspectors	...	...	JOHN RUSSELL, Cert. Sanitary Institute ; T. W. STURDY, Cert. Sanitary Institute ; J. W. DAVISON, Cert. Sanitary Institute ; R. B. CLARK, Cert. Sanitary Institute.

Offices : Caledonian Buildings, 145, Pilgrim Street, Newcastle-upon-Tyne.

Inspector's Offices : Tyne Port Sanitary Authority, Mill Dam, South Shields.

Tyne Port Sanitary Authority.

TYNEMOUTH,

NORTHUMBERLAND,

January, 1914.

MR. ALD. GEORGE CHRISTOPHER COATES,

CHAIRMAN OF THE TYNE PORT SANITARY AUTHORITY.

SIR,

I have the honour to present herewith my Annual Report for the year 1913. No cases of Cholera, Plague or Smallpox occurred in the Tyne Port during the year.

In November, Inspector Irvin, after 31 years' service under the Authority, 21 years of which time he held the position of Chief Inspector, tendered his resignation owing to ill-health.

I am, Sir,

Your obedient Servant,

W. EDMUND HARKER.

TYNE PORT SANITARY AUTHORITY.

Report of the Medical Officer of Health for the Year ended 31st December, 1913.

During 1913, 41 patients have been treated in the Floating Hospital. The subjoined Table gives particulars as to the cases and their issue:—

TABLE I.
Floating Hospital.

Date of Admission.	Disease.	Cases Admitted.	Name of Vessel.	Where from.	Result.
1913.					
Jan. 2nd ...	Suspected Enteric Fever ...	1	s.s. "Sarmatra" ...	Rotterdam ...	Discharged Jan. 8, 1913
" 4th ...	" " ...	1	s.s. "Rodney" ...	Rensburg ...	" " 10, "
" 22nd ...	Sus. Diphtheria ...	1	s.s. "O. H. Wiens" ...	London ...	" " 29, "
" 27th ...	Suspected Enteric Fever ...	1	s.s. "Odessa" ...	Hull ...	" " 30, "
Feb. 13th ...	Enteric Fever ...	1	s.s. "Vesta" ...	London ...	" May 6, "
" 26th ...	Suspected Enteric Fever ...	1	s.s. "Clan Macfadyen" ...	Antwerp ...	" Mar. 11, "
Mar. 3rd ...	Malarial Fever ...	1	s.s. "Friedrick Arp" ...	Rotterdam ...	" " 11, "
" 7th ...	Fever & Enlarged Glands ...	1	s.s. "Euplectela" ...	Granton ...	" " 27, "
Apr. 3rd ...	Suspected Enteric Fever ...	1	s.s. "Aline Montreuil" ...	Dunkirk ...	" Apr. 9, "
" 12th ...	" " ...	2	s.s. "Admiral de Ruijter" ...	Middlesbro ...	" " 15, "
May 14th ...	Measles ...	1	s.s. "Grand Duchesse Marie Nicoleiv" ...	" ...	" May 20, "
" 16th ...	Suspected Enteric Fever ...	1	s.s. "Clara Blumenfeld" ...	Hamburg ...	" " 28, "
" 24th ...	Measles ...	2	s.s. "Sir Francis" ...	London ...	" June 4, "
June 7th ...	Enlarged Glands ...	1	s.s. "Dunrobin" ...	Antwerp ...	" " 27, "
" 20th ...	Enteric Fever ...	1	s.s. "Admiral de Ruijter" ...	Rotterdam ...	" July 22, "
July 2nd ...	Suspected Enteric Fever ...	1	s.s. "Oronsay" ...	Dunkirk ...	" " 10, "
" 12th ...	Beri Beri... ...	5	s.s. "Patella" ...	Rotterdam ...	Four discharged July 19, One on Aug. 8, 1913
" 17th ...	" ...	2	" ...	" ...	Discharged " 8, "
" 25th ...	" ...	2	" ...	" ...	" " 8, "
" 28th ...	" ...	1	" ...	" ...	" " 8, "
Sep. 12th ...	Enteric Fever ...	1	s.s. "Winnie" ...	" ...	" Sept. 26, "
Oct. 21st ...	Measles ...	1	s.s. "Huguenot" ...	London ...	" Nov. 7, "
Nov. 8th ...	Suspected Enteric Fever ...	1	s.s. "Kortenaer" ...	Rotterdam ...	" " 11, "
" 17th ...	Tonsilitis ...	1	H.M.S. "Birmingham" ...	—	" Dec. 1, "
" 29th ...	Malarial Fever ...	5	s.s. "Plutus" ...	Rotterdam ...	" " 4, "
" 29th ...	" " ...	2	" ...	" ...	" " 19, "
Dec. 7th ...	Suspected Enteric Fever ...	1	s.s. "Elsa" ...	Karrachi ...	" " 12, "
		40			
" 24th ...	Enteric Fever ...	1	Jarrow Corporation ...	—	Still in Hospital.

Vessels Boarded by the Medical Officer of Health.

57 vessels have been visited by Medical Officer of Health on account of reported or suspected sickness on board.

The following table gives the list of vessels boarded during 1913 by the Medical Officer of Health on account of disease on board during the voyage, or at the time of arrival in the Tyne:—

TABLE II.

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
1913. Jan. 2	s.s. "Sarmatra" ...	Danish ...	Huelva, Rotterdam	Suspected Enteric Fever	The Medical Officer of Health examined two of the crew. One man was removed to the Floating Hospital as a case of enteric fever.
,, 2	s.s. "Rodney" ...	Norwegian	Rendsburg...	Suspected Enteric Fever	Medical Officer of Health examined two of the seamen. One of the crew was removed to the Floating Hospital as a suspected case of enteric fever. The other case was non-infectious.
,, 14	s.s. "Bernicia" ...	British ...	Amsterdam	Nephritis ...	One of the crew was examined and found to be suffering from chronic nephritis. Medical treatment recommended.
,, 15	s.s. "Eregta Mendi"	Spanish ...	Rotterdam...	Influenza ...	One of the crew was examined and found to be suffering from influenza.
,, 19	s.s. "Capri" ...	Norwegian	Calais ...	Rheumatism ...	The master was examined and found suffering from rheumatism. Medical treatment recommended.
,, 20	s.s. "Earl of Carrick"	British ...	Bremen ...	Non-infectious ...	Medical Officer of Health examined one of the Asiatic seamen and found him suffering from a non-infectious complaint. He was removed to the Royal Victoria Infirmary, Newcastle-upon-Tyne.
,, 22	s.s. "O. H. Weins"	Swedish ...	Soderhamn...	Diphtheria ...	One of the crew was examined and found suffering from diphtheria. He was removed to the Floating Hospital.
,, 27	s.s. "Odessa" ...	Russian ...	Hull ...	Suspected Enteric Fever	One of the crew was examined and found to be suffering from suspected enteric fever. He was removed to the Floating Hospital for treatment.
Feb. 13	s.s. "Vesta" ...	German ...	Valencia, London	Enteric Fever ...	One of the seamen was examined and found to be suffering from enteric fever. He was removed to the Floating Hospital. The crewspaces were disinfected and drinking water tanks emptied and cleansed before refilling.
,, 15	s.s. "Port Macquarrie"	British ...	Australia, Dunkirk, Hull	Chicken Pox ...	Medical Officer of Health boarded this vessel on account of a case of chicken pox reported at Hull. The crew were inspected and found all well.

TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Feb. 17	s.s. "Joshua Nicholson"	British ...	Sulina, Hamburg	Non-infectious ...	Medical Officer of Health examined one of the seamen suffering from a non-infectious complaint.
,, 17	s.s. "Samwarine"	,,	Valencia, London	,, ,,	One of the crew was examined and found suffering from a non-infectious complaint.
,, 26	s.s. "Clan Macfadyen"	,,	Antwerp ...	Suspected Enteric Fever	One of the crew was examined and found to be suffering from suspected enteric fever. He was removed to the Floating Hospital for treatment.
Mar. 3	s.s. "Friedrich Arp"	German ...	Rotterdam ...	Suspected Enteric Fever	One of the seamen was examined by Medical Officer of Health. He was removed to hospital as a suspected case of enteric fever.
,, 7	s.s. "Euplectela"	British ...	Granton ...	Fever & Enlarged Glands	One of the Asiatic seamen was examined suffering with fever and enlarged glands. He was removed to the Floating Hospital for treatment.
Apr. 3	ss. "Aline Montreuil"	French ...	Havre ...	Suspected Enteric Fever	One of the crew was examined suffering from suspected enteric fever. He was removed to the Floating Hospital for treatment.
,, 3	s.s. "Glenelg" ...	British ...	Bassein, Hamburg	Dysentery ...	One of the Lascar crew was examined and found suffering from dysentery.
,, 4	barque "Maury" ...	Norwegian	Norway ...	Accident ...	One of the crew was examined suffering from accident.
,, 9	s.s. "Elton" ...	British ...	Antwerp ...	Quinsy ...	Medical Officer of Health examined one of the crew suffering from quinsy. Medical treatment recommended.
,, 9	s.s. "Fulton" ...	,,	,,	Non-infectious ...	One of the seamen was examined and found to be suffering from a non-infectious complaint.
,, 12	s.s. "Pena Sagia"	Spanish ...	Santander, Rotterdam	Influenza ...	One of the seamen was examined and found suffering from influenza.
,, 12	s.s. "Admiral de Ruijter"	Dutch ...	Middlesbro'	Suspected Enteric Fever	Two of the firemen were examined and removed to the Floating Hospital as cases of suspected enteric fever.
,, 29	s.s. "Nordpol" ...	Norwegian	Antwerp ...	Non-infectious ...	One of the crew was examined and found to be suffering from a non-infectious complaint.
May 1	s.s. "Jacona" ...	British ...	Poti, Antwerp	Insanity ...	Medical Officer of Health examined one of the crew. He was found to be insane and was removed to the Union Hospital, South Shields.

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TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
May 7	s.s. "Cuyahoga" ...	British ...	Singapore, London	Debility... ..	One of the Lascar crew was examined and found to be suffering from debility.
,, 14	s.s. "Ivar" ...	Danish ...	Aarhuues ...	Non-infectious ...	Two of the crew were examined suffering from non-infectious complaints.
,, 14	sl. "Grand Duchesse Marie Nicoliev"	Russian ...	Middlesbro'	Measles ...	One of the seamen was examined and found suffering from measles. He was removed to the Floating Hospital for treatment.
,, 16	s.s. "Clara Blumen- feld"	German ...	Hamburg ...	Suspected Enteric Fever	Medical Officer of Health examined one of the crew suffering from suspected enteric fever. He was removed to the Floating Hospital for treatment.
,, 24	s.s. "Sir Francis"	British ...	London ...	Measles	Two of the crew were examined and found to be suffering from measles. They were removed to the Floating Hospital.
June 7	s.s. "Zeus" ...	,,	Rouen ...	Non-infectious ...	Three of the crew were examined and were found to be suffering from non-infectious complaints.
,, 7	s.s. "Dunrobin" ...	,,	Bombay, Hamburg, Antwerp	Fever and Enlarged Glands	One of the Lascar crew was examined and found to be suffering from fever and enlarged glands. He was removed to the Floating Hospital for treatment.
,, 19	s.s. "Waimate" ...	,,	New Zealand, London	Non-infectious ...	Medical Officer of Health examined one of the crew suffering from a non-infectious complaint.
,, 27	s.s. "Oronsay" ...	,,	Calcutta, Dunkirk	Venereal ...	One of the crew was examined and found to be suffering from a venereal complaint.
,, 30	s.s. "Bessheim" ...	Norwegian	Christiania...	...	The transmigrants and passengers were examined and found all well.
July 3	s.s. "Begonia" ...	British ...	Karachi ...	Non-infectious ...	This vessel was from a plague infected port. Six Lascar seamen were examined and found to be suffering from non-infectious complaints. The remainder of the crew were all well.
,, 11	s.s. "Patella" ...	,,	Rotterdam	Beri Beri ...	Medical Officer of Health examined six Lascar seamen, five of whom were found to be suffering from beri beri, and were removed to the Floating Hospital for treatment.
,, 18	s.s. "Ivydene" ...	,,	Calcutta, Sulina, Antwerp	Non-infectious ...	One of the Lascar seamen was examined and found to be suffering from a non-infectious complaint.

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TABLE II.—*Continued.*

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Aug. 9	s.s. "Gesina" ..	Dutch ...	North Sea ...	Rheumatism ...	One of the crew was examined and found suffering from rheumatism. Medical treatment recommended.
,, 10	s.s. "Andoni" ...	British ...	Dunkirk ...	Rheumatism and pleurisy	The master's wife was found suffering from rheumatism and pleurisy. Medical treatment recommended.
,, 11	s.s. "Brusa" ...	Norwegian	Rouen ...	Rheumatism ...	One of the crew was examined and found suffering with rheumatism. Medical treatment recommended.
Sept. 1	s.s. "Sterling" ...	,, ...	Christiania	...	The Medical Officer of Health examined the transmigrants who were found all well.
,, 12	s.s. "Winnie" ...	British ...	St. Petersburg, Rotterdam	Suspected enteric fever	One of the crew was examined and found to be suffering from suspected enteric fever. He was removed to the Floating Hospital for treatment.
Oct. 1	s.s. "Floreston" ...	,, ...	Karrachi, Hull	Influenza ...	The master was examined and found to be suffering from influenza.
,, 10	s.s. "Treasury" ...	,, ...	Sante Fe, San Nicholas, Hamburg	...	This vessel was boarded on arrival on account of information received from the Port Medical Officer at Hamburg. 700 dead rats had been found after the vessel had been fumigated and after bacteriological examination a number of the rats were found to have been plague infected. The vessel was again fumigated in this port with Sulphur Di-oxide. One dead rat was found afterwards and sent to the Local Government Board for examination. The Board reported later that there was no evidence of plague.
,, 12	s.s. "Erandio" ...	Spanish ...	Sagunto, Bremen	Smallpox ...	The crew 25 in number were examined and found all well after having left a case of smallpox at Bremen. The remainder of the crew had been vaccinated at Bremen.
,, 21	s.s. "Schuylkill" ...	British ...	Saigon, Nordenhamn	Non-infectious ...	Two of the crew were examined and found to be suffering with non-infectious complaints.
,, 21	s.s. "Huguenot" ...	,, ...	London ...	Measles ...	The crew 17 in number were examined and one of the seamen was found to be suffering with measles. He was removed to the Floating Hospital for treatment.
,, 30	s.s. "Atlas" ...	Norwegian	St. Petersburg	Indigestion ...	One of the crew was examined and found to be suffering with indigestion.

TABLE II.—Continued.

Date.	Name of Vessel.	Nationality.	Where from.	Nature of Sickness.	REMARKS.
Nov. 8	s.s. "Kortenaer" ...	Dutch ...	Archangel, Rotterdam	Influenza ...	Two of the crew were examined and found to be suffering with feverish colds. One of the men, a fireman, was removed to the Floating Hospital for treatment.
„ 10	s.s. "Vimeira" ...	British ...	Seville ...	Jaundice ...	One of the crew was examined and found to be suffering with jaundice. He was removed to the Union Hospital, South Shields, for treatment.
„ 10	s.s. "Bulysses" ...	„ ...	Bombay, Thameshaven	Non-infectious ...	Two of the crew were examined and found to be suffering with non-infectious complaints.
„ 14	s.s. "Hesvik" ...	Norwegian	Riga ...	Colic ...	One of the crew was examined and found to be suffering from colic.
„ 17	H.M.S. "Birmingham"	British ...	River ...	Follicular Tonsilitis	One of the stokers was found to be suffering with follicular tonsilitis. He was removed to the Floating Hospital for treatment.
„ 19	s.s. "Monarch" ...	„ ...	Bombay, ... Dunkirk	Abscess on Liver	The chief engineer was examined and found to be suffering with abscess on the liver. He was removed to a private hospital for an operation.
„ 29	s.s. "Plutus" ...	„ ...	West Coast of Africa, Rotterdam	Malarial Fever ...	Seven of the crew were found suffering with malarial fever and were removed to the Floating Hospital for treatment.
Dec. 7	s.s. "Elsa" ...	Norwegian	Karrachi ... (plague infected port)	Suspected Enteric Fever ...	The Medical Officer of Health examined the crew of 27. With the exception of a seaman found suffering from suspected enteric fever and removed to the Floating Hospital, the remainder were found all well.
„ 27	s.s. "Fridjof" ...	Swedish ...	Gothenborg	Septic Sore Throat	The Medical Officer of Health examined the master and found him suffering with septic tonsilitis. Medical treatment recommended.

13
MALARIAL FEVER.

Date.		Name of Vessel.		From.		No. of Cases.		
						On Voyage.	On or after Arrival.	
1913.								
Jan.	2	...	s.s. "Strathgarry"	...	Baltimore, Hull	...	1	—
Feb.	15	...	s.s. "Aquila"	...	Philadelphia, Antwerp	...	—	1
Mar.	18	...	s.s. "Aureole"	...	Port Arthur (Tex) Hamburg	...	1	—
April	8	...	s.s. "Aras Castle"	...	Bassein, Hamburg	...	1	—
	9	...	s.s. "Egwanga"	...	Cape Lopez, Rotterdam	...	1	—
	28	...	s.s. "Cayo Soto"	...	Galveston, Randers	...	—	1
June	7	...	s.s. "Port Caroline"	...	Wallaroo, Hull	...	1	—
	17	...	s.s. "Cedarwood"	...	Invergordon	...	1	—
Aug.	27	...	s.s. "Addah"	...	West Coast Africa, Rotterdam	...	4	—
Oct.	1	...	s.s. "Kolga"	...	West Indies, London, Rotterdam	...	1	—
Nov.	13	...	s.s. "Inverkip"	...	Bombay, Amsterdam, Antwerp	...	12	—
	29	...	s.s. "Plutus"	...	West Coast Africa, Rotterdam	...	1	7
Dec.	8	...	s.s. "Lucy Andersen	..	Bougie	...	—	1
	9	...	s.s. "Ada"	...	Savannah, Bremerhaven	...	15	—
	22	...	s.s. "Hartlepool"	...	Boston, Copenhagen	...	2	—
Total ...							41	10

SMALLPOX AND SUSPECTED SMALLPOX.

Date.	Name of Vessel.	From.	On Voyage	On or after Arrival.	Remarks.	Notes on Arrival in Tyne.
1913.						
Aug. 25 ...	s.s. "Djerissa" ...	Tunis, Rotterdam	1	—	Left at Portland ...	Vessel disinfected at Portland and Rotterdam.
Oct. 13 ...	s.s. "Erandio" ...	Sagunto, Bremen	1	—	Left at Bremen ...	Vessel disinfected at Bremen.
Total ...			2			

SUSPECTED CHOLERA.

1913.						
Oct. 3 ...	s.s. "Ribston" ...	Kherson, Malta, Brake	1	—	Left at Malta ...	Vessel disinfected there.

INFLUENZA.

Fourteen cases reported on voyage and on arrival.

TYPHUS.

Date.	Name of Vessel.	From.	On Voyage.	On or after Arrival.	Remarks.	Notes on arrival in Tyne.
1913.						
Jan. 9 ...	s.s. "Parana" ...	San Martini, Rosario	1	—	Left at Rosaria ...	Vessel disinfected there.
Oct. 2 ...	s.s. "Kingfield" ...	Ghinetchirk, Hamburg	1	—	Left at Hamburg ...	Vessel disinfected there.
Total ...			2			

ENTERIC OR TYPHOID FEVER.

Date.	Name of Vessel.	From.	On Voyage.	On or after Arrival.	Remarks.	Notes on arrival in Tyne.
1913.						
Jan. 2	... s.s. "Sarmatra" ...	Huelva, Rotterdam.	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 4	... s.s. "Rodney" ...	Rensburg ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 27	... s.s. "Odessa" ...	Libau, Hull ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
Feb. 13	... s.s. "Vesta" ...	Valencia, London.	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 17	... s.s. "Zuleika" ...	Campania, Genoa, Naples, Cork	1	—	Left at Genoa ...	Vessel disinfected there.
,, 26	... s.s. "Clan Macfadyen" ...	Madras Coast, London, Antwerp	—	1	Removed to Floating Hospital.	Vessel disinfected here.
Mar. 3	... s.s. "Friedrich Arp" ...	Rotterdam ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
Apr. 3	... s.s. "Aline Montreuil" ...	Dunkirk ..	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 8	... s.s. "Aras Castle" ...	Bassein, Hamburg	1	—	Left at Hamburg ...	Vessel disinfected there.
,, 9	... s.s. "Admiral de Ruijter" ...	Nicolaiev, Middlesbro	—	2	Removed to Floating Hospital.	Vessel disinfected here.
May 15	... s.s. "Clara Blumenfeld" ...	Hamburg ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 27	... s.s. "Oaklands Grange" ...	Rosario, Buenos Ayres, Monte Video, Antwerp.	1	—	Left at Antwerp ...	Vessel disinfected there.
,, 27	... s.s. "Caterino" ...	Sante Fe, Las Palmas, Hamburg.	4	—	1 case (fatal) at sea 3 cases at Las Palmas.	Vessel disinfected at Las Palmas.
June 20	... s.s. "Admiral de Ruijter" ...	Rotterdam ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
July 1	... s.s. "Inverness" ...	Rosario, Antwerp.	2	—	2 cases at sea (fatal)	Vessel disinfected at Antwerp.
,, 2	... s.s. "Oronsay" ...	Calcutta, Dunkirk.	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 11	... s.s. "Romsdalen" ...	Sulina, Randers	1	—	Left at Gibraltar ...	Vessel disinfected there.
Sept. 8	... s.s. "Zurickmoor" ...	Poti, Antwerp.	1	—	Left at Poti ...	Vessel disinfected there.
,, 12	... s.s. "Winnie" ...	St. Petersburg Rotterdam	—	1	Removed to Floating Hospital.	Vessel disinfected here.
Oct. 9	... s.s. "Riverton" ...	Karachi, Hull	1	—	Left at Gibraltar ...	Vessel disinfected there.
Nov. 7	... s.s. "Kortenær" ...	Archangel, Rotterdam.	—	1	Removed to Floating Hospital.	Vessel disinfected here.
,, 20	... s.s. "Eros" ...	Almeria, Tayport	1	—	Left at Tayport ...	Vessel disinfected there.
Dec. 7	... s.s. "Elsa" ...	Karrachi ...	—	1	Removed to Floating Hospital.	Vessel disinfected here.
			13	15		

DIPHTHERIA.

1913.						
Jan. 22	... s.s. "H. O. Wiens" ...	Soderhamn, London	—	1	Removed to Floating Hospital.	Vessel disinfected here.

BERI-BERI.

Date			Name of Vessel.			From.			No. of Cases.		
									On Voyage.	On or after Arrival.	
1913.											
Jan.	14	...	...	s.s. " Marie "	...	...	Riga, London	...	...	—	1
July	11	...	...	s.s. " Patella "	...	...	Singapore, Rotterdam	...	...	—	5
"	17	...	...	"	...	...	"	"	...	...	2
"	25	...	...	"	...	...	"	"	...	...	2
"	28	...	...	"	...	...	"	"	...	...	1
Oct.	20	...	...	s.s. " Schuylkill "	...	...	Saigon, Nordenhamn	...	...	1	—
									1	11	

MEASLES.

1913.				
May 14 ...	s.s. "Grand Duchesse Marie Nicoleiv" ...	Middlesbrough ...	—	1
" 24 ...	s.s. "Sir Francis" ...	London ...	—	2
Oct. 21 ...	s.s. "Huguenot" ...	" ...	—	1
			—	4

CHICKEN POX.

1913.				
Feb. 15 ...	s.s. "Port Macquarrie" ...	Australran Ports, Dunkirk, Hull ...	1	—

DYSENTERY.

1913.				
Feb. 1 ...	s.s. "Weardale" ...	Alexandria, Hamburg ...	1	—
" 22 ...	s.s. "Birdoswald" ...	La Plata, London ...	1	—
Mar. 31 ...	s.s. "Glenelg" ...	Bassein, Hamburg, ...	1	—
Oct. 20 ...	s.s. "Trevince" ...	Karrachi, Harwich, Leith ...	2	—
Nov. 17 ...	s.s. "Lotusmere" ...	Christmas Island, Hamburg ...	1	—
" 24 ...	s.s. "Bulgarian Prince" ...	Bombay, Dunkirk ...	4	—
			10	—

DIARRHŒA, CHOLERAIC DIARRHŒA AND SUSPICIOUS CASES.

1913.				
Jan. 6 ...	s.s. "Midsurrey" ...	Rouen ...	—	1
Mar. 7 ...	s.s. "Euplectella" ...	Granton ...	—	1
Apr. 18 ...	s.s. "Minnie Sommers" ...	London ...	—	1
May 7 ...	s.s. "Fennia" ...	Gandia, London ...	1	—
June 6 ...	s.s. "Dunrobin" ...	Bombay, Hamburg, Antwerp ...	—	1
" 27 ...	s.s. "Westonby" ...	Montreal ...	1	—
July 2 ...	s.s. "Begonia" ...	Karrachi ...	1	—
" 28 ...	s.s. "Ottawa" ...	Orran, Stettin ...	1	—
Aug. 7 ...	s.s. "Granit" ...	Amsterdam ...	—	1
" 9 ...	s.s. "Bechuana" ...	Galagow Bay, Karrachi, London ...	—	1
Sept. 12 ...	s.s. "Ulriken" ...	St. Petersburg ...	—	1
" 15 ...	s.s. "Zeta" ...	Bergen ...	—	1
Nov. 17 ...	H.M.S. "Birmingham" ...	Sea ...	—	1
			4	9

GENERAL SICKNESS ON BOARD

The subjoined Table gives a return of cases of Sickness* reported by Masters
notice of the Tyne Port Officials

DATE. 1913.	Smallpox or Suspected Smallpox.	Suspected Cholera.	Typhus.	Enteric or Typhoid Fever.	Measles.	Malarial Fever.	Beri Beri.	Diarrhoea or Choleraic Diarrhoea.	Diphtheria.	Chicken Pox.	Pneumonia.	Pleurisy.	Dysentery.	Consumption.	Bronchitis.	Influenza.	Rheumatism.
January	1	^{ooo} 3	...	1	1	1	^o 1	...	...	...	...	...	...	1	...
February	^{oo} 3	...	1	...	...	...	1	...	...	2	...	8	5	4
March	^o 1	...	1	...	...	...	...	^x 1	...	1	...	2	2	6
April	^{ooo} 4	...	3	...	1	...	...	1	^x 2	...	1	1	2	11
May	^{ox} 6	^{ooo} 3	...	...	1	...	...	2	...	...	...	...	1	4
June	^o 1	...	^x 2	...	1	...	...	...	...	...	1	2	...	5
July	^o 4	...	...	^{ooooo} 10	2	...	...	...	...	...	...	3	1	7
August	1	...	...	...	4	...	2	...	...	2	...	...	...	2	...	6
September	^o 2	...	...	...	2	...	...	...	...	...	1	...	...	2
October	...	1	1	1	^o 1	1	1	...	...	...	...	^x 1	2	...	2	2	2
November	^o 2	...	^{oooo} 20	...	...	...	...	...	...	^x 5	...	...	...	4
December	^o 1	...	18	...	...	...	...	...	...	...	1	...	...	3
TOTALS	...	2	1	2	28	4	51	12	10	1	1	6	3	10	4	20	54

The names of the Diseases during voyage are given as reported by the Masters of the Vessels.

VESSELS ARRIVING IN TYNE PORTS.

of Vessels as having occurred during the Voyage, or coming under the
in each month of the year 1913.

Appendicitis.	Rupture.	Heart Disease.	Skin Diseases.	Enlarged Glands.	Indigestion.	Blood Poisoning.	Tonsillitis.	Inflammation.	Intemperance.	Insanity.	Paralysis.	Boils.	Cramp.	Debility.	Cold.	Venereal.	Accidents.	Undefined.	TOTALS.
...	2	...	...	1	1	1	...	1	...	...	...	2	...	2	15	8	xxx 14	8	64
1	2	...	...	...	...	...	...	2	...	...	...	...	...	1	10	7	xx 14	6	67
1	...	...	1	o 1	...	...	...	...	...	...	...	1	2	4	18	12	x 12	6	71
1	1	xx 2	..	...	2	...	...	1	...	...	...	...	1	3	12	8	x 14	x 5	77
3	1	1	1	...	...	1	...	...	...	1	1	1	...	2	5	7	x 15	5	61
...	...	1	...	o 1	2	1	...	...	...	1	...	2	...	1	6	7	16	5	55
...	...	xx 2	...	...	1	...	1	1	1	1	...	1	2	4	6	3	x 8	4	62
3	2	1	1	...	1	1	...	...	1	...	2	1	...	1	6	2	x 9	x 2	50
...	x 3	...	...	...	1	...	...	...	1	...	...	...	1	3	3	2	x 15	4	40
...	...	x 3	...	1	2	1	...	...	...	x 1	...	3	...	1	7	6	8	7	56
1	2	...	...	...	1	1	o 1	2	...	2	...	3	...	1	4	4	x 8	4	65
...	2	...	...	...	...	1	...	3	1	...	1	...	...	1	4	10	xx 10	x 6	62
10	15	10	3	4	11	7	2	10	4	6	4	14	6	24	96	76	143	62	730

x Deaths.

o Removed to Tyne Floating Hospital.

Vessels arriving from Infected or Suspected Ports.*

The following return shows the number of Vessels boarded in this Port by the Officers of the Port Sanitary Authority, on account of coming directly or otherwise from Foreign Ports infected, or suspected to be infected, with Cholera, Yellow Fever, Plague, or Smallpox :—

MONTHS.	From Infected Ports.		From Suspected Ports.		TOTALS.
	Direct to the Tyne.	To the Tyne Indirectly.	Direct to the Tyne.	To the Tyne Indirectly.	
1913.	No. of Vessels.	No. of Vessels.	No. of Vessels.	No. of Vessels.	
January	1	16	—	19	36
February	2	14	—	17	33
March... ..	2	16	—	21	39
April	—	17	1	24	42
May	—	20	1	34	55
June	—	19	—	22	41
July	—	19	—	29	48
August	—	19	—	21	40
September	2	12	1	15	30
October	—	11	—	26	37
November	—	27	—	52	79
December	1	9	2	30	42
Total	8	199	5	310	522

* See opposite page.

Vessels arriving in the Tyne from infected ports were boarded by the Officers of the Tyne Port Sanitary Authority, as under:—

NAME OF PORTS.	Direct to the Tyne.	To the Tyne Indirectly.	NAME OF PORTS.	Direct to the Tyne.	To the Tyne Indirectly.
Alexandria ... §	—	20	<i>Brought Forward</i> ...	3	115
Bombay ... ‡§	—	20	Manila ... §	—	3
Bassein ... ‡§	—	3	Madras ... ‡§	—	2
Bahia Blanca ... §	—	15	Odessa ... ‡§	—	28
Batavia ... §	—	1	Port Said ... §	—	1
Braila ... ‡	—	7	Persian Gulf ... §	—	2
Calcutta ... ‡§	—	15	Rosario ... §	5	22
Dakar ... §	—	6	Rio de Janeiro ... §	—	8
Hong Kong ... §	—	1	Rangoon ... ‡§	—	7
Karachi ... ‡§	3	26	Smyrna ... §	—	9
Moulmein ... §	—	1	Singapore ... §	—	2
<i>Carried Forward</i> ...	3	115	Total ...	8	199

§ Plague

‡ Cholera.

Yellow Fever.

Food Regulations.

Inspector Irvin has regularly inspected the cargoes of vessels arriving in the Tyne and Albert Edward Docks, and Dunston Co-operative Flour Mills.

Tyne Dock.

The foodstuffs imported into this Dock during the year by steamers from Argentine, India, Australia, Norway and Sweden have been inspected :—*Wheat*, 51,871 tons ; *Condensed Milk*, 3,800 cases ; *Margarine*, 261 cases ; *Butter*, 24 kegs ; *Game*, 30 cases ; *Herrings*, 682 cases ; *Cheeses*, 836 boxes ; *Fruit*, 824 baskets. The consignments were found in good condition.

Albert Edward Dock.

Cargoes consisting of 18,200 tons of wheat from Australia and Argentine ports were inspected in this Dock, and were found in good condition.

Dunston Flour Mills.

Wheat cargoes consisting of 56,674 tons were inspected at the wharf of the above Mills from Indian and Australian ports, and with the exception of 2,400 bags damaged and condemned with the sanction of the owners, the remainder was found in good condition.

Mill Dam Wharf, South Shields.

14 cargoes of Potatoes, 13 from Scotland and one from Denmark were inspected and were found in good condition.

Fish Quay, North Shields.

All vessels arriving with White Fish and Herrings have been inspected daily at the Fish Quay. The fish landed from the boats with one exception was found to be of good quality. A cargo of 2,228 boxes of herring in a decomposed condition were landed and removed to the Fish Manure Factory, North Shields. The vessel's holds were afterwards cleansed and disinfected.

Special Cargoes Inspected.

Among the different cargoes examined by the Inspectors were the undermentioned :—

Description.	Onions.	Wheat.	Foreign and British Fish.	Potatoes.	Fruit.	Total.
Number of Consignments examined ...	6	133	1,138	28	70	1,375

Emigrants.

The Emigrant vessels coming to the Tyne have been visited by the Medical Officer and Inspectors on arrival, and kept under supervision whilst in Port.

Information as to Emigrants debarking here and proceeding overland to other British ports, continues to be forwarded to the Medical Officers of Health of the respective Ports.

4,852 Emigrants have passed through the Port during 1913, en route to America via Liverpool, Southampton, Bristol, and Glasgow. All were found well before leaving this Port.

General Sanitary Work.

The following is the report of inspections made and other work done by Inspector Irvin and his assistants, during 1913.

No. of vessels arriving from Foreign	...	1,760	No. inspected...	1,726
„ „ „ Home Trade	...	4,315	„ „ „	4,227
„ „ „ Coastwise	...	6,852	„ „ „	5,186
		<hr/>		<hr/>
		12,927	...	11,139
		<hr/>		<hr/>

British Steamers	...	...	...	...	...	...	...	...	5,435
„ Sailing Vessels		...	...	...	...	...	...	...	324
„ Fishing „		...	...	...	...	...	...	...	1,138
Foreign Steamers	4,143
„ Sailing Vessels		189
			Total	<u>11,139</u>

Visits to Water Boats	18
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The Nationalities of the Vessels were as follows :—

British	6,807
Norwegian	1,303
German	...	...	...	...	...	...	...	...	...	744
Swedish	...	...	...	...	...	...	...	...	...	498
Danish	...	...	...	...	...	...	...	...	...	537
Spanish	...	...	...	...	...	...	...	...	...	409
French	...	...	...	...	...	...	...	...	...	136
Russian	...	...	...	...	...	...	...	...	...	152
Greek	...	...	...	...	...	...	...	...	...	53
Dutch	...	...	...	...	...	...	...	...	...	322
Italian	...	...	...	...	...	...	...	...	...	28
Austrian	...	...	...	...	...	...	...	...	...	74
Belgian	...	...	...	...	...	...	...	...	...	61
Uruguay	...	...	...	...	...	...	...	...	...	14
Japanese	...	...	...	...	...	...	...	...	...	1
Total				...	...	...	...	...	...	11,139

Of the above Vessels, the Sanitary condition was as follows:—

Good ...	...	...	...	...	...	...	...	...	10,371
Structural defects	...	...	...	...	...	...	...	...	372
Dirty condition	...	...	...	...	...	...	...	...	396
				Total	...	...	...	...	<u>11,139</u>

The structural defects of Vessels observed include the following :—

							Cases.
Insufficient Ventilation ...	...	...	...	...	...	...	18
Iron Deck to Line with Wood ...	...	...	...	...	...	...	7
Paints to remove from Bow Locker ...	...	...	...	...	...	...	11
Defective Lighting ...	...	...	...	...	...	...	3
Defective Water Closets ...	...	...	...	...	...	...	14
Forecastle Deck Leaking ...	...	...	...	...	...	...	91
Side Scuttles to re-fit ...	...	...	...	...	...	...	152
Forecastle Flooring Defective ...	...	...	...	...	...	...	3
Defective Drainage ...	...	...	...	...	...	...	28
„ Bulkhead ...	...	...	...	...	...	...	11
„ Stoves ...	...	...	...	...	...	...	22
„ Chain Casing... ..	...	...	...	...	...	...	12
Total							<u>372</u>

All the above defects were remedied to our satisfaction on written or verbal notice.

The peaks, forecastles, water closets, and bilges of the vessels specified under were found in dirty condition. The orders given to cleanse same were fully complied with.

British Steamers ... ..	...	...	...	...	...	...	170
„ Sailing Vessels ... ..	...	...	...	...	...	...	6
„ Fishing Vessels... ..	...	...	...	...	...	...	15
Foreign Steamers ... ..	...	...	...	...	...	...	203
„ Sailing Vessels ... ..	...	...	...	...	...	...	2
Total							<u>396</u>

Total number of crews of vessels visited by the Inspectors ... ..	...	...	201,830
„ „ passengers „ „ „ „ ... ..	...	...	31,198
„ „ emigrants arriving in the Tyne ... ..	...	...	4,852
Total			<u>237,880</u>

Water-Boats and Water Supply to Ships in Port.

The water-boats, 18 in number, have been examined as usual, and the tanks found in good condition.

In 40 cases the *drinking water* of ships, which came from Ports infected or suspected to be infected, with cholera, has been changed, and the purification of the tanks has been seen to by the Inspector, acting under the direction of the Medical Officer of Health.

Advice as to Sickness

on shipboard, and other matters, continue to be received from and forwarded to the Health Departments of other British Port Sanitary Authorities.

Clothing and Bedding.

15 vessels and several lots of clothing or bedding have been **disinfected**. 255 old beds have been burnt, and 2 lots of filthy clothing have been destroyed, on account of infection.

Passenger Steamers.

The Passenger Steamers arriving continue to be regularly visited and examined.

Smoke Nuisance.

The Inspector reports that it has not been necessary to take any action against Masters of Steamers for the evolution of dense smoke during 1913.

Fishing Boats.

The total arrival of fishing vessels at the Quay, North Shields, steam and sailing, is 15,384,* 5,281 Trawlers and 10,103 Herring Boats, as compared with a total of 13,373 in the previous year, 15 of these, in a foul condition, were cleansed and deodorized on notice from the Inspector. The rest were in good order.

* From a return courteously furnished by Mr. Thos. MacKenzie, Quay Master, North Shields.

Regulations.

Copies of Regulations issued have, as usual, been posted on all ferry landings, and delivered on board of vessels in the Port.

Cholera.

No cases of Cholera occurred in the Port during the year 1913.

Chief Inspector Irvin.

The Staff desire to record their appreciation of Mr. Irvin's long and faithful service with the Tyne Port Sanitary Authority, and wish him a continuance of his improved health under his lighter duties.

H.M. Customs.

I wish to record our thanks for the valuable and willing assistance given by H.M. Collector of Customs and his staff which has been greatly appreciated by all the Officials of the Port Sanitary Authority.

W. EDMUND HARKER, M.D., D.Hy.,
Medical Officer.

Tynemouth,

January, 1914.

